

Effect of an Iron Chelator on Microalbuminuria in Diabetic Patients

	Initial	n	9M	n
Weight kg	65.11±2.03	28	66.33±1.96	30
Hemoglobin g/dL	12.78±0.01	28	11.75±0.12	28
WBC 10 ³ /mL	7282±170	28	7077±172	30
PMNs %	70±1	28	73±1	30
Platelets x10 ³ /mL	2.76± 0.09	28	2.87±0.08	30
SGPT U/L	20±1	28	22±1	30
SGOT U/L	20±1	28	23±1	30
Total bilirubin mg/dL	0.90±0.00	28	0.95±0.03	30
Alk.PO ₄ U/L	99±1	28	103±1	30
HbA1C (%)	7.31±0.21	30	8.11±0.35	30
Serum iron µg/dL	111±17	30	73±5	30

microalbuminuria mg albumin/gm creatinine (normal <30; microalbuminuria 30-300)			
	Mean	n	P
Initial	96±14	30	
6 Months	42±15	30	0.003*
9 Months	27±8	28	<0.0001**
µg albumin/min (normal <20 microalbuminuria 20-200)			
	Mean	n	P
Initial	78±13	30	
6 Months	42±16	30	0.02*
9 Months	22±7	28	<0.0001**

The study involved 30 diabetic patients (17 males and 13 females) with a mean age of 51. The diagnosis of diabetes was confirmed by blood glucose measurements and all patients had microalbuminuria. They received usual and customary care for diabetes.

Patients were initiated on deferiprone (50 mg per kg) for a period of nine months.

Exhibit A
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